System Sequence Diagram

:Public :Administrator :Instructor :System :Offerings :Offering

:Administrator → :System : createOffering(lessonName, location, time, public)

:System → :Offerings : createOffering(lessonName, location, time, public)

offerId := generate(offerId);

:Offerings → o:Offering : create(lessonName, offerId, location, time, public, instructorId=null)

:Offerings → :Offering : add(o)

:Offering ⇠ :Offerings : confirmation message, o

:Offerings ⇠ :System : confirmation message, o

:Instructor → :System : selectLesson(offerId, instructorId)

:System → :Offerings : find(offerId)

:Offerings → :Offering : find(offerId)

alt

[if available]

:Offering ⇠ :Offerings : o

:Offerings → o:Offering : assignInstructor(instructorId)

o:Offering ⇠ :Offerings : confirmation

:Offerings ⇠ :System : confirmation

[else]

:Offering ⇠ :Offerings : error message

:Offerings ⇠ :System : error message

viewPublicOfferings()

viewPublicOfferings()

loop

[for each Offerings]

isAvailable()

alt

[if o.instructorId!=null]

o

display(o)